**Topic 13 – Review Answer Key**

**Extending Fraction Concepts**

**Mathematician**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***13.1 – I can use unit fractions and multiplication to describe fractions that are multiples of the unit fractions.***

Vocabulary

**A unit fraction is a fraction that describes one part of the whole. Unit fractions always have a numerator of 1.**

**Write the fraction as a multiple of a unit fraction.**

**1.**  **2/3 = 2 x 1/3**

**2**.  **7/10 = 7 x 1/10**

**3**. **8/8 = 8 x 1/8**

**4.** **6/5 = 6 x 1/5**

***13.2– I can multiply a fraction by a whole number.***

**Write a multiplication equation with a whole number and a fraction for each picture.**

**5. 2 x 2/5 = 4/5**



**6. 5 x 1/8 = 5/8**



***13.3– I can multiply a whole number and a fraction to solve problems.***

**Multiply, and write the product in simplest form.**

**7. 4 x 1/3** = **4/3 = 1 1/3**

**8. 6 x 3/8** = **18/8 = 2 2/8 = 2 1/4**

**9. 8 x 2/5** =**16/5 = 3 1/5**

**10. 4 x 5/8 = 20/8 = 2 4/8 = 2 1/2**

***13.4– I can write fractions as decimals and decimals as fractions.***

**Write a decimal AND a fraction in simplest form for each part of the grid that is shaded.**

**11. Fraction 3/10 Decimal 0.3**



**12. Fraction 5/10 Decimal 0.5**



**13. Fraction 88/100 Decimal 0.88**



**14. Fraction 60/100 Decimal 0.60**



***13.5– I can locate and name fractions and decimals on a number line.***

**15. Write the fraction and decimal that is located at Point R.**

 **Fraction 3 2/10 = 3 1/5 Decimal 3.2**



**16. Write the fractions and decimals that are located at Points E and H.**

**Point E Fraction 6/10 Decimal 0.6**

**Point H Fraction 1 4/10 Decimal 1.4**



***13.6– I can use equivalent fractions to write fractions and decimals.***

**Write each fraction as a decimal.**

**17. 3/12 = 0.25 18. 1/5 = 0.2**

**19. 3/100 = 0.03 20. 4/8 = 0.5**

***13.7 – I can use models and place value charts to represent decimals to hundredths. I can read and write decimals in expanded, standard, and word form.***

**Write the numbers in standard form.**

**21. six and eighteen hundredths 6.18**

**22. four and forty-six hundredths 4.46**

**23. 6 + 0.3 + 0.07 = 6.37**

**24. 3 + 0.01 = 3.01**

**Write the number in word form AND give the value of each underlined digit.**

**25. 2.47**

**Two and forty seven hundredths 7 is 7 hundredths**

**26. 1.85**

**One and eighty five hundredths 8 is 8 tenths**

***13.8 – I can use models and place-value charts to compare decimals to hundredths. I can use great-than and less-than symbols to order decimal numbers.***

**Write > , <, or = to compare each number.**

**27. 0.7 > 0.57**

**28. 0.3 = .30**

**Order the numbers from least to greatest.**

**29. 0.65, 0.6, 0.71**

**0.6, 0.65, 0.71**

**30. 0.5, 0.25, 1.05**

**0.25, 0.5, 1.05**

***13.9 - I can read, write, and compare decimals in tenths and hundredths using money.***

Vocabulary

**A dime is one tenth of a dollar.**

**A penny is one hundredth of a dollar.**

**A decimal point is used to separate the dollars from the tenths and hundredths of a dollar.**

**Write the following amounts using dollar signs and decimal points.**

**31. 6 dollars + 9 dimes + 3 pennies $6.93**

**32. 4 dollars + 7 dimes $4.70**

**33. 6 dollars + 8 pennies$6.08**